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- (b) a display unit configured for displaying data provided by said electronic positioning device; and
- (c) an alarm, wherein said alarm is activated when a subject's velocity or pace does not meet a predetermined target.

Please cancel claims 19-58.

Please add the following new claims:

59. The exercise monitoring system of claim 1, wherein said display unit is chosen from the group consisting of: a personal computer, a treadmill display screen, and a heads-up type display unit.

60. The exercise monitoring system of claim 59, wherein said display unit comprises a heads-up type display unit configured to display said data by projecting the data onto glasses, goggles or a visor, or by projecting the data onto a display screen positioned such that the data will be visible to a user.

61. The exercise monitoring system of claim 6, wherein:

- said data acquisition unit is configured to be worn by a subject performing a physical activity; and
- said display unit is configured to be worn by the subject, worn by someone other than the subject, or attached to an apparatus associated with the physical activity being performed by the subject.

62. The exercise monitoring system of claim 2, wherein said system is configured such that the display unit simultaneously displays: at least one of a subject's velocity, pace and distance traveled; and physiological data provided by said physiological monitor.

63. The exercise monitoring system of claim 6, wherein said system further comprises at least one memory, and at least one processor for processing acquired data in accordance with instructions stored in said at least one memory.

- 20 ~~64~~ 19 The exercise monitoring system of claim ~~64~~ 19, wherein said data acquisition unit includes memory, and at least one processor for processing acquired data in accordance with instructions stored in said memory of the data acquisition unit, and further wherein said display unit includes memory, and at least one processor for processing acquired data in accordance with instructions stored in said memory of the display unit.
- 21 ~~65~~ 19 The exercise monitoring system of claim ~~65~~ 19, wherein said at least one memory is configured for storing acquired data for later retrieval.
- 22 ~~66~~ 19 The exercise monitoring system of claim 6, wherein said display unit is configured for communication with said data acquisition unit via a wired or wireless link, such that data indicative of at least one of a subject's velocity or pace can be transmitted to said display unit.
- 23 ~~67~~ 22 The exercise monitoring system of claim ~~67~~ 22, wherein said display unit is configured for communication with said data acquisition unit via radio waves.
- 24 ~~68~~ The exercise monitoring system of claim 1, wherein said system is configured for computing a subject's workload based on the subject's velocity and altitude changes, and displaying the computed workload.
- 25 ~~69~~ 24 The exercise monitoring system of claim ~~69~~ 24, wherein said system is configured for the input of a subject's weight, and said system is configured for computing a subject's workload based on the subject's velocity, altitude changes and inputted weight.
- 26 ~~70~~ The exercise monitoring system of claim 1, wherein said system is configured for electrical communication with an external computer such that acquired data may be stored in the computer.
- 27 ~~71~~ 15 The exercise monitoring system of claim ~~71~~ 15, wherein said physiological monitor comprises an oximeter, and wherein said system is configured such that

said alarm is activated when a subject's blood oxygen level does not meet a predetermined target.

- 28 ~~72~~ The exercise monitoring system of claim ²⁷~~71~~, wherein said system is configured such that a plurality of predetermined targets for blood oxygen level may be input into said system.
- ¹⁶~~73~~ The exercise monitoring system of claim 1, wherein said physiological monitor comprises an oximeter, and wherein said system is configured for computing and displaying the time variability of a subject's blood oxygen level.
- 30 ~~74~~ The exercise monitoring system of claim ²⁹~~18~~, wherein said electronic positioning device comprises a GPS device.
75. The exercise monitoring system of claim 74, wherein said GPS device is provided as part of a data acquisition unit which is separate from said display unit.
76. The exercise monitoring system of claim 75, wherein said data acquisition unit further comprises a support member, and said GPS device is removably secured to said support member.

Remarks

In light of the previous election of claims 1-18, pending claims 19-58 have been cancelled. Applicants reserve the right to pursue these claims by way of one or more divisional applications.

Claim 13 has been cancelled since it is duplicative of claim 11.

The amendments to claims 6 and 18 herein are fully supported by the application as originally filed, and therefore do not involve new matter.

Claims 59-76 have been added herein, and are also fully supported by the application as originally filed and therefore do not involve new matter.